



U.S. Coast Guard SARSAT Report



LCDR Kathy Niles
SARSAT Liaison Officer
U.S. Coast Guard Office of Search and Rescue

2010 Beacon Manufacturers Workshop, San Diego, CA



Overview



- U.S. Coast Guard Office of SAR
- SAR Incidents and Statistics
- SARSAT Projects





USCG Office of SAR (CG-534)

U.S. Coast Guard Headquarters Office of Search and Rescue

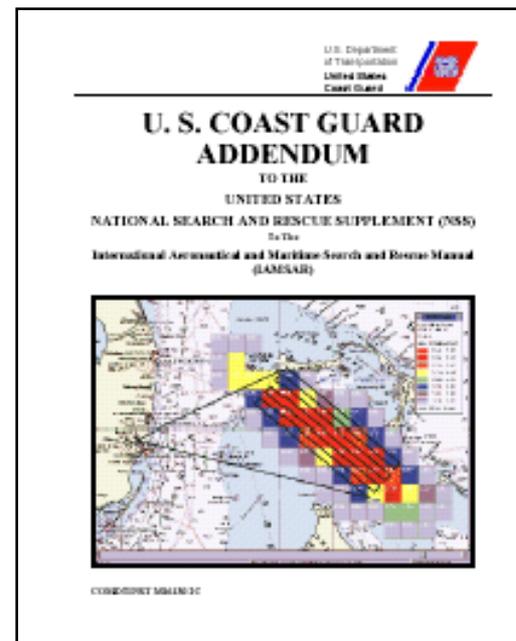
CAPT David McBride: Chief, Office of Search and Rescue (CG-534)

SAR Policy Division (CG-5341):

- Search Planning Applications Development – SAROPS
- SAR Data Analysis - Resource & Policy Changes
- SAR Data – MISLE
- CG Addendum to National SAR Supplement
- Self-Locating Datum Marker Buoy Program

SAR Coordination Division (CG-5342):

- National SAR Committee (NSARC)
- SARSAT Program
- SAR Agreements
- AMVER Program
- ICAO/IMO Joint Working Group on SAR
- Mass Rescue Operations





USCG Office of SAR (CG-534)

USCG Office of Search and Rescue Coordination Division

- Mr. Rick Button: Chief, SAR Coordination Division (CG-5342)
- LCDR Kathy Niles: SARSAT Liaison Officer (until 25 June 2010)
- LCDR Mark Turner: SARSAT Liaison Officer (mid July)
- Mr. Dave Edwards: International Engagement (ICAO/IMO JWG on SAR)
- Mr. Harold Hunt: Mass Rescue Operator
- Mr. Ben Strong: Amver Marketing



United States National SAR Committee (NSARC)

Member Agencies



- Department of Defense
- Department of Interior
- Department of Commerce
- Department of Transportation
- Federal Communications Commission
- National Aeronautics and Space Administration
- Department of Homeland Security (2007)

Coast Guard Chairs the Committee!





United States National SAR Committee (NSARC)

Two Primary NSARC Documents

- National Search and Rescue Plan of the United States
- National SAR Supplement (NSS) to the IAMSAR Manual

SARSAT Issues



- NSARC Commercial Emergency Notification and Locating Device Working Group



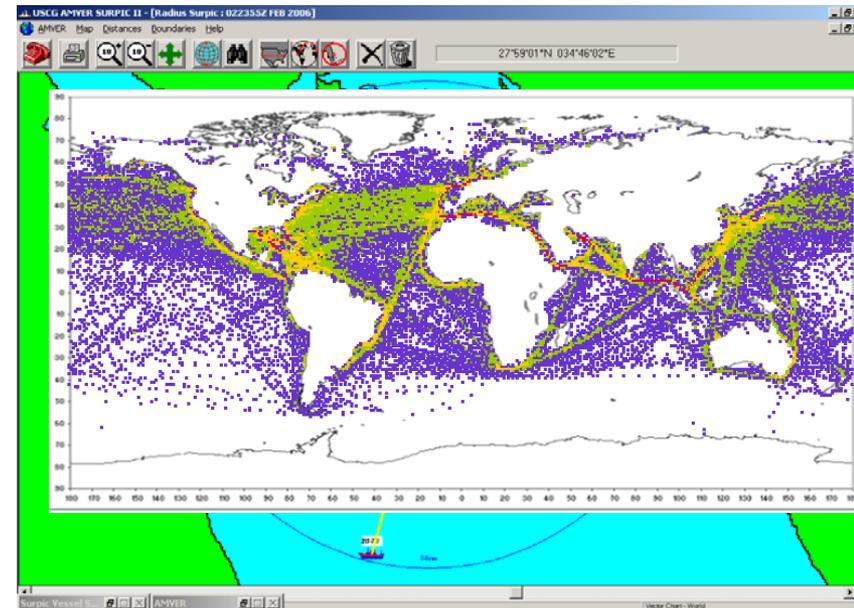
Automated Mutual assistance Vessel Reporting (AMVER) System

- AMVER is a computer-based vessel reporting system that exists to promote safety of life and property at sea. AMVER information is used to assist SAR Coordinators to locate assistance for maritime emergencies anywhere in the world.



- Over 3617 vessels voluntarily report their position to the USCG daily ready to lend assistance in an emergency.

- 237 persons were rescued by AMVER vessels in 2009.





AMVER

Amver maintains:

- an internet site
www.amver.com
- an internet web log or “blog”
www.amveruscg.blogspot.com
- a [Facebook](#) page
- a [Twitter](#) account
- a [Flickr](#) page
- a [YouTube](#) channel



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U.S. Coast Guard SAR Statistics





An “Average Day” in the U.S. Coast Guard:

On an average day, the Coast Guard:

- Conducts 109 SAR Cases
- Saves 10 lives
- Assists 192 people in distress
- Protects \$2,791,841 in property



U.S. Navy Photo by Photographer's Mate Airman Dustin Howell





USCGC SAR Statistics:

	2009	2008	2007	2006
Cases	23,556	24,228	26,940	28,154
Sorties	24,688	25,540	26,667	28,658
Lives Saved	4,873	4,875	5,202	5,276
Lives Assisted	34,448	31,594	35,813	38,126
Property Saved	\$917M	\$147.8M	\$113.1M	\$110.7M





SARSAT Rescues



SARSAT Rescues in the U.S.

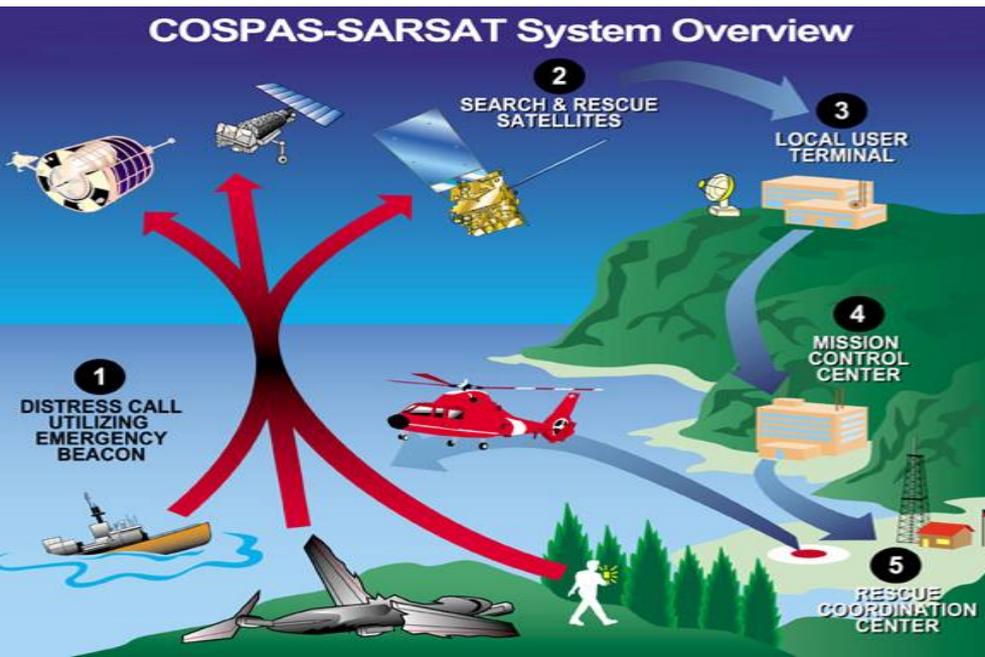
2009

Total: 195
Rescues at sea: 154 people
Aviation rescues: 8 people
PLB rescues: 33 people

SARSAT Rescues by the USCG

2009

Total: 145
Rescues at sea: 126 people
PLB rescues: 19 people





SARSAT Rescues



British-flagged S/V California

- March 2010
- Clipper Round the World Race
- 800 miles northeast of Midway Island
- 50 mph winds / 20 ft seas



Danish vessel Nord Nightingale



Crew of the Nord Nightingale with Clive Cockram



USCG SARSAT Work



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USCG SARSAT Work

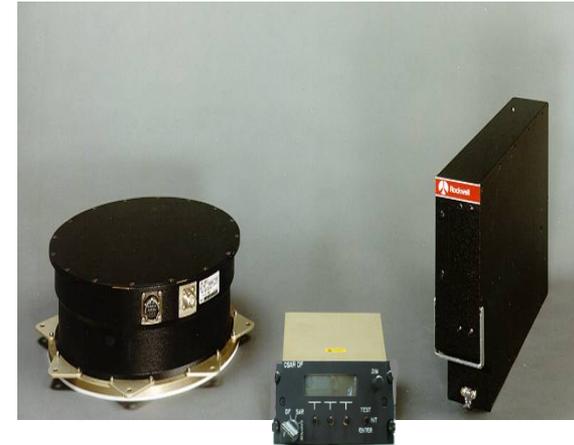


- Cospas-Sarsat meetings: Council, Joint Committee, Expert WG
- RTCM participation: SC-110 & SC-128
- NSARC Commercial Emergency Notification Device WG
- 2010 SARSAT Conference for RCC personnel
- 406 MHz Direction Finding capabilities (aircraft, portable)
- Outreach and education activities
- Next generation SARSAT = Distress Alerting Satellite System (DASS)



USCG 406 MHz DF Capabilities

- The USCG is in the process of equipping their search aircraft with 406 MHz homing capability.



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USCG 406 MHz DF Capabilities

As of April 2010, 138 of the 190 USCG aircraft (approx. 73% of the fleet) are outfitted with the DF-430 system.

HU-25 : 15 operational

HC-130H: 19 operational

HC-130J: 6 operational

HC-144A : 8 operational

MH-65C/D: 62 operational, plus 10 in mod. at ALC

MH-60T: 12 operational, plus 6 in mod. at ALC

HH-65C: 28 operational, DF-430 installs 0%

MH-60J: 24 operational, DF-430 installs 0%

*these aircraft will be upgraded during scheduled product line platform upgrades





USCG 406 MHz DF Capabilities



Becker Portable 406 MHz Direction Finder



USCG SARSAT Future



- 2011 SARSAT Conference for RCC personnel
- 406 MHz Direction Finding capabilities (portable, ashore, afloat)
- EPIRB AIS
- Registration improvement
- Outreach activities
- DASS Integration
- ...and much, much more!



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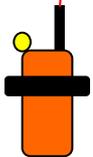
Any Questions???



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